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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Jen Sheen et al.

Art Unit:

1638

Serial No.:

10/643,434

Examiner:

To Be Assigned

Filed:

August 19, 2003

Customer No.:

21559

Title:

TRANSGENIC PLANTS EXPRESSING A MAPKKK PROTEIN

KINASE DOMAIN

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Under 35 U.S.C. § 120, this continuation application relies on the earlier filing date of application serial numbers 09/371,338, filed on August 10, 1999, which claims benefit of 60/095,938, filed on August 10, 1998. The following references listed on the enclosed PTO-1449 form were submitted to and/or cited by the Office in the prior applications and, therefore, copies of these references are not provided for this application.

Submission of this statement is not a representation that a search has been made,

nor is the inclusion of information in this statement an admission that the information is material to patentability.

This statement is being filed before the receipt of a first Office action on the merits.

If there are any charges or any credits, please apply them to Deposit Account No. 03-2095.

Respectfully submitted,

Date: 19 November 2004

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SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE 00786/366003 **Attorney Docket** TATRAISMODIFIED) PATENT AND TRADEMARK OFFICE No. 10/643,434 Serial No. Jen Sheen et al. INFORMATION DISCLOSURE **Applicant** STATEMENT BY APPLICANT August 19, 2003 (Use several sheets if necessary) Filing Date 1638 Group (37 CFR §1.98(b)) November 19, 2004 **IDS Filed U.S. PATENTS Issue Date** Examiner's Patent **Patentee** Class Subclass Filing Date Initials Number (If Appropriate) 03/03/98 5.723.765 Oliver et al. 5.648,599 7/1997 Tanskley et al. 5.658.772 08/19/97 Odell et al. 5,527,695 06/18/96 Hodges et al. OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION) Abel et al., "Translent Transformation of Arabidopsis Leaf Protoplasts: A Versatile Experimental System to Study Gene Expression," The Plant Journal 5:421-427 (1994). Banno et al., "NPK1, a Tobacco Gene that Encodes a Protein with a Domain Homologous to Yeast BCK1, STE11, and Byr2 Protein Kinases," Mol. Cell. Biol. 13:4745-4752 (1993). Banzet et al., "Accumulation of Small Heat Shock Proteins, Including Mitochondrial HSP22, Induced by Oxidative Stress and Adaptive Response in Tomato Cells," The Plant Journal 13:519-527 (1998). Bennett and Tonks, "Regulation of Distinct Stages of Skeletal Muscle Differentiation by Mitogen-Activated Protein Kinases," Science 278:1288-1291 (1997). Bohnert and Jensen, "Strategles for Engineering Water-Stress Tolerance in Plants," TIBTECH 14:89-97 (1996).Bolwell and Wojtaszek, "Mechanisms for the Generation of Reactive Oxygen Species in Plant Defense - A Broad Perspective," Physiological and Molecular Plant Pathology 51:347-366 (1997). Bray, "Plant Responses to Water Deficit," Trends in Plant Science 2:48-54 (1997). Chamnongpol et al., "Defense Activation and Enhanced Pathogen Tolerance Induced by H₂O₂ in Transgenic Tobacco," Proc. Natl. Acad. Sci. USA 95:5818-5823 (1998). Cheikh and Jones, "Disruption of Maize Kernel Growth and Development by Heat Stress," Plant Physiol. 106:45-51 (1994). Chen et al., "The Promoter of a H₂O₂-Inducible, Arabidopsis Glutathione S-Transferase Gene Contains Closely Linked OBF-and OBP1-Binding Sites," The Plant Journal 10:955-966 (1996). **EXAMINER DATE CONSIDERED**

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

SUBSTITUTE (MODIFIED)	STATEMEN (Use several s	U.S. DEPARTMENT OF COMPATENT AND TRADEMARK (ON DISCLOSURE T BY APPLICANT heets if necessary)		Attorney Docket No. Serial No. Applicant Filing Date Group IDS Filed	00786/366003 10/643,434 Jen Sheen et al. August 19, 2003 1638 November 19, 2004	
<u>-</u>	OTHER DOCU	MENTS (INCLUDING AUTHOR,	TITLE, D	ATE, PLACE OF PUBI	LICATION)	
		ociation of the <i>Arabidopsis</i> CTi . Natl. Acad. Sci. USA 95:5401-			R1 and ERS Ethylene	
	Clarke, "Switchin	g off MAP Kinases," Current B	iology 4:	647-650 (1994).		
	Damm et al., "Efficient Transformation of <i>Arabidopsis Thaliana</i> Using Direct Gene Transfer to Protoplasts," <i>Mol. Gen. Genet.</i> 217:6-12 (1989).					
	Deak et al., "Fas-Induced Proteolytic Activation and Intracellular Redistribution of the Stress-Signaling Kinase MEKK1," <i>Proc. Natl. Acad. Sci. USA</i> 95:5595-5600 (1998).					
	Doi et al., "MSG5, a Novel Protein Phosphatase Promotes Adaptation to Pheromone Response in S. cerevisiae," The EMBO Journal 13:61-70 (1994).					
	Felix et al., "Rapid Changes of Protein Phosphorylation are Involved in Transduction of the Elicitor Signa in Plant Cells," <i>Proc. Nat. Acad. Sci. USA</i> 88:8831-8834 (1991).					
	Garbers and Simmons, "Approaches (1994).		tanding A	uxin Action," <i>Trends i</i>	in Cell Biology 4:245-250	
	Gray et al., "A Role for the Pkc1 MAP Kinase Pathway of Saccharomyces cerevisiae in Bud Emergence and Identification of a Putative Upstream Regulator," EMBO J. 16:4924-4937 (1997).					
	Green and Fluhr, "UV-B Induced PR-1 Accumulation is Mediated by Active Oxygen Species," <i>The Plant Cell</i> 7:203-212 (1995).					
	Gupta et al., "Identification of a Dual-Specificity Protein Phosphatase that Inactivates a MAP Kinase From Arabidopsis," The Plant Journal 16:581-589 (1998).					
	Gustin et al., "MAP Kinase Pathways in the Yeast Saccharomyces Cerevisiae," Microbiol. Mol. Biol. Rev. 62:1264-1300 (1998).					
	Hagen et al., "Auxin-Induced Expression of the Soybean GH3 Promoter in Transgenic Tobacco Plants," Plant Mol. Biol. 17:567-579 (1991).					
	· ·	ne <i>Arabidopsi</i> s Gene <i>MONOPT</i> nd Vascular Development," <i>EM</i>		•	n Factor Mediating Embryo	
	Herskowitz, "MAF	Kinase Pathways in Yeast: Fo	or Mating	and More," Cell 80:18	7-197 (1995).	
EXAMINER		c c	DATE CO	NSIDERED		
TYAMINED. I		ered. Draw line through citati				

SUBSTITUTE (MODIFIED)	INFORMATI STATEMEN (Use several s	U.S. DEPARTMENT OF CO PATENT AND TRADEMAR ON DISCLOSURE T BY APPLICANT sheets if necessary)		Attorney Docket No. Serial No. Applicant Filling Date Group IDS Filed	00786/366003 10/643,434 Jen Sheen et al. August 19, 2003 1638 November 19, 2004
	OTHER DOCU	MENTS (INCLUDING AUTHO	OR, TITLE, D	ATE, PLACE OF PUB	LICATION)
	Hirt, "Multiple Ro (1997).	eles of MAP Kinases in Plant	Signal Tran	sduction," Trends in	Plant Science 2:11-15
	Holmberg and Bi 3:61-66 (1998).	ülow, "Improving Stress Tole	erance in Pla	ints by Gene Transfe	r," Trends in Plant Science
	, ,	omplementation of <i>byr1</i> in F Raf Kinase," <i>Nature</i> 364:34		•	Kinase Kinase Requires
	Ichimura et al., "Isolation of ATMEKK1 (A MAP Kinase Cascade in <i>Arabidopsis</i> ," <i>Biochem. Bio</i>				
-	Inzè and Montag	u, "Oxidative Stress in Plant	s," Current (Opinion in Biotechnol	ogy 6:153-158 (1995).
	interactions and	enetic Analysis of Osmotic a Convergence of Abscisic Ad 1935-1949 (1997).			
		va et al., "Low-Temperature nobacterial Desaturase," <i>Na</i>			
	Ito et al., "NPK15, a Tobacco Protein-Serine/Threonine Kinase with Amino-Terminus," <i>Mol. Gen. Genet.</i> 245:1-10 (1994).				drophobic Region Near the
	Jaglo-Ottosen et al., "Arabidopsis CBF1 Overexpress Tolerance," Science 280:104-106 (1998). Jonak et al., "MAP Kinases in Plant Signal Transduct			Induces COR Genes	and Enhances Freezing
				on," Cell. Mol. Life Sci. 55:204-213 (1999).	
	Jouannic et al., "I 11 (1999).	Plant MAP Kinase Kinase Ki	nases Struc	ture, Classification a	nd Evolution," Gene 233:1-
		Systemic Signaling and Accience 284:654-657 (1999).	limation in I	Response to Excess I	Excitation Energy in
	Kato et al., "Bmk 395:713-716 (199	1/Erk5 is Required for Cell P 8).	roliferation	Induced by Epiderma	l Growth Factor," Nature
	Key, "Modulation	of Gene Expression by Aux	in," <i>Bi</i> oessa	ys 11:52-58 (1989).	-
EXAMINER			DATE CO	NSIDERED	
			1		

SUBSTITUTE	FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE	Attorney Docket	00786/366003	
(MODIFIED)		PATENT AND TRADEMARK OFFICE	No.	10/643,434	
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			Group	1638	
(37 CFR §1.98	3(b))		IDS Filed	November 19, 2004	
	OTHER DOCU	MENTS (INCLUDING AUTHOR, TITLE,	DATE, PLACE OF PUB	LICATION)	
		R1, A Negative Regulator of the Ethyle af Family of Protein Kinases," <i>Cell</i> 72:4		in Arabidopsis, Encodes a	
		erexpression of Δ^1 -Pyrroline-5-Carbox erance in Transgenic Plants," <i>Plant Pl</i>			
	Kovtun et al., "Su 395:716-720 (199	ppression of Auxin Signal Transductions).	on by a MAPK Cascade	in Higher Plants," Nature	
		uch, "Sounding the Alarm: Protein Kina ne Journal of Biological Chemistry 271	Kinase Cascades Activated by Stress and 271:24313-24316 (1996).		
	Lamb and Dixon, <i>Biol.</i> 48:251-275 ("The Oxidative Burst in Plant Disease 1997).	Resistance," Annu. Re	v. Plant Physiol. Plant Mol.	
		julation of Actin Dynamics by Stress-A of Heat-Shock Protein of 27 kDa (Hsp2			
	Lavoie et al., "Cyc p38/HOG ^{MAPK} Pati	clin D1 Expression is Regulated Positionway," <i>J. Biol. Chem.</i> 271:20608-20616	vely by the p42/p44 ^{MAPK} (1996).	and Negatively by the	
		ression of the Activity of Genetically E t Shock Proteins and increased Therm 2 (1995).			
		bidopsis ABA Response Gene <i>ABI1</i> : F cience 264:1448-1452 (1994).	eatures of a Calcium-N	lodulated Protein	
	Leyser, "Auxin Signalling: Protein Stability as a Versatile Control Target," Curr. Biol. 8:305-307 (1998).				
	Separate Two Ce	B2, with an EREBP/AP2 n Drought- and Low-Ter Cell 10:1391-1406 (1998	nperature-Responsive		
	Liu et al., "Soybea (1994).	an <i>GH3</i> Promoter Contains Multiple Au	xin-Inducible Elements	;" Plant Cell 6:645-657	
		rogress in Studies of Plant Homologs m Components in Kinase Cascades,"	•		

copy of this form with the next communication to applicant.

SUBSTITUTE (MODIFIED)	FORM PTO-1449 U.S. DEPARTMENT OF COM PATENT AND TRADEMARK		00786/366003 10/643,434		
		Serial No.	Jen Sheen et al.		
	INFORMATION DISCLOSURE	Applicant			
	STATEMENT BY APPLICANT (Use several sheets if necessary)	Filing Date	August 19, 2003		
		Group	1638		
(37 CFR §1.98	B(b))	IDS Filed	November 19, 2004		
	OTHER DOCUMENTS (INCLUDING AUTHOR,	, TITLE, DATE, PLACE OF PUB	LICATION)		
	Marrs, "The Functions and Regulation of Glutat Plant Mol. Biol. 47:127-158 (1996).	thione S-Transferases in Plants	s," Annu. Rev. Plant Physiol		
	Martin et al., "Map-Based Cloning of a Protein K Science 262:1432-1436 (1993).	Kinase Gene Conferring Diseas	e Resistance in Tomato,"		
	Michalczuk et al., "Auxin Levels at Different Sta 31:1097-1103 (1992).	ges of Carrot Somatic Embryo	genesis," <i>Phytochemistry</i>		
	Misra-Press et al., "A Novel Mitogen-Activated F Chemistry 270:14587-14596 (1995).	Protein Kinase Phosphatase," 7	The Journal of Biological		
	Mizoguchi et al., "Environmental Stress Respon Kinases," <i>Trends in Biotechnology</i> 15:15-19 (19		gen-Activated Protein		
	Mizoguchi et al., "A Gene Encoding a Mitogen-A Simultaneously with Genes for a Mitogen-Active by Touch, Cold, and Water Stress in <i>Arabidops</i>	ated Protein Kinase and an S6	Ribosomal Protein Kinase		
	Molnar et al., "Cdc42Hs, but Not Rac1, Inhibits Serum-Stimulated Cell Cycle Progression at G ₁ /S Through a Mechanism Requiring p38/RK," <i>J. Biol. Chem.</i> 272:13229-13235 (1997).				
	Mordhorst et al., "Somatic Embryogenesis in <i>Arabidopsis thaliana</i> is Facilitated by Mutations in Genes Repressing Meristematic Cell Divisions," <i>Genetics</i> 149:549-563 (1998).				
	Morimoto, "Regulation of the Heat Shock Trans Shock Factors, Molecular Chaperones, and Neg				
	Morimoto et al., "Stress-Inducible Responses al Cytoprotection," Nat. Biotechnol. 16:833-838 (19		Pharmacologic Targets for		
	Muda et al., "MKP-3, A Novel Cytosolic Protein- Mitogen-Activated Protein Kinase Phosphatase (1996).				
	Muda et al., "Molecular Cloning and Functional Kinase Phosphatase, MKP-4," The Journal of Bi				
EXAMINER	ı	DATE CONSIDERED			

SUBSTITUTE (MODIFIED)	STATEMEN (Use several s	U.S. DEPARTMENT OF CON PATENT AND TRADEMARK ON DISCLOSURE T BY APPLICANT heets if necessary)		Attorney Docket No. Serial No. Applicant Filing Date Group IDS Filed	00786/366003 10/643,434 Jen Sheen et al. August 19, 2003 1638 November 19, 2004	
 ;	OTHER DOCU	MENTS (INCLUDING AUTHOR	R. TITLE. D	ATE. PLACE OF PUBL	LICATION)	
	Nakashima et al. Activated Protein	"The Expression Pattern of the Kinase Kinase Kinase (MAPPant Cell Physiol. 39:690-700 (1	he Gene fo	or NPK1 Protein Kinas	e Related to Mitogen-	
		"Possible Involvement of Diffe ted to Mitogen-Activated Prof				
	Noctor and Foyer, "Ascorbate and Glutathione: Keeping Active Oxygen Under Control," Annu. Rev. Plant Physiol. Plant Mol. Biol. 49:249-279 (1998). Nuccio et al., "Metabolic Engineering of Plants for Osmotic Stress Resistance," Current Opinion in Plant Biology 2:128-134 (1999). Pardo et al., "Stress Signaling Through Ca ²⁺ /Calmodulin-Dependent Protein Phosphatase Calcineurin Mediates Salt Adaptation in Plants," Proc. Natl. Acad. Sci. USA 95:9681-9686 (1998).					
	Pei et al., "Role of Farnesyltransferase in AB/ Loss," <i>Science</i> 282:287-290 (1998). Posas et al., "Activation of the Yeast SSK2 M. Resposne Regulator," <i>EMBO J.</i> 17:1385-1394			n of Guard Cell Anion	Channels and Plant Water	
				MAP Kinase Kinase Kinase by the SSK1 Two-Component 04 (1998).		
	Potts et al., "A Protein-Tyrosine/Serine Phosphatase Encoded by the Genome of the Cyanobacterium Nostoc commune UTEX 584," The Journal of Biological Chemistry 268:7632-7635 (1993).					
		F3, A New Heat Shock Factor onfers Thermotolerance When B).				
	Prasad, "Mechanisms of Chilling-Induced Oxidative Stress Injury and Toleral Seedlings: Changes in Antioxidant System, Oxidation of Proteins and Lipids The Plant Journal 10:1017-1026 (1996).					
		Specific Checkpoints Regulat t Journal 17:647-656 (1999).	te Plant Co	ell Cycle Progression	in Response to Oxidative	
	Ribnicky et al., "T <i>Physiol.</i> 112:549-	he Effects of Exogenous Aux 558 (1996).	ins on End	dogenous Indole-3-Acc	etic Acid Metabolism," <i>Plan</i>	
EXAMINER			DATE CO	NSIDERED		
	nitial citation consid		_			

SUBSTITUTE FORM PTO-1449 (MODIFIED) U.S. DEPARTMENT OF COM PATENT AND TRADEMARK INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR §1.98(b)) OTHER DOCUMENTS (INCLUDING AUTHOR	OFFICE No. Serial No. Applicant Filing Date Group IDS Filed	10/643,434 Jen Sheen et al. August 19, 2003 1638 November 19, 2004			
Roxas et al., "Overexpression of Glutathione S of Transgenic Tobacco Seedlings During Stres Saitoh et al., "Mammalian Thioredoxin is a Dire " EMBO J. 17:2596-2606 (1998).	s," Nature Biotechnolog	y 15:988-991 (1997).			
Schraudner et al., "Ozone-Induced Oxidative B Plant Journal 16:235-245 (1998). Sen Gupta et al., "Increased Resistance to Oxid	dative Stress in Transger	nic Plants that Overexpress			
	Chloroplastic Cu/Zn Superoxide Dismutase," <i>Proc. Natl. Acad. Sci. USA</i> 90:1629-1633 (1993). Seo et al., "Tobacco MAP Kinase: A Possible Mediator in Wound Signal Transduction Pathways," <i>Science</i> 270:1988-1992 (1995).				
Sheen, "Mutational Analysis of Protein Phosph Higher Plants," Proc. Natl. Acad. Sci. USA 95:9	atase 2C involved in Abs 75-980 (1998)	scisic Acid Signal Transduction in			
Sheen, "Protein Phosphatase Activity is Requir EMBO Journal 12:3497-3505 (1993)	red for Light-Inducible G	ene Expression In Maize," The			
Shibuya et al., "TAB1: An Activator of the TAK1 272:1179-1182 (1996).	MAPKKK in TGF-β Signa	al Transduction," <i>Science</i>			
Sitbon et al., "Expression of Auxin-Regulated G	Sitbon et al., "Expression of Auxin-Regulated Genes," Physiological Plantarum 100:443-455 (1997).				
Smith and Walker, "Plant Protein Phosphatases (1996).	Smith and Walker, "Plant Protein Phosphatases," Annu. Rev. Plant Physiol. Plant Mol. Biol. 47:101-125 (1996).				
Song et al., "A Receptor Kinase-Like Protein Er Science 270:1804-1806 (1995).	Song et al., "A Receptor Kinase-Like Protein Encoded by the Rice Disease Resistance Gene, <i>Xa21</i> ," <i>Science</i> 270:1804-1806 (1995).				
Storozhenko et al., "The Heat-Shock Element is Promoter ¹ ," <i>Plant Physiol.</i> 118:1005-1014 (1998		nt of the Arabidopsis APX1 Gene			
Sugiura et al., "pmp1*, a Suppressor of Calcine Phosphatase in Fission Yeast," <i>The EMBO Jou</i>		s a Novel MAP Kinase			
EXAMINER	DATE CONSIDERED				
EXAMINER: Initial citation considered. Draw line through citat copy of this form with the next communication to applicant.	ion if not in conformance	e and not considered. Include			

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(37 C.F.R. § 1.98(b))			IDS Filed	November 19, 2004		
OTHER	DOCUMENTS (INCLUDING AUTHO	OR, TITLE, C	ATE, PLACE OF PUBL	CATION)		
	onks, "The Coordinated Action of I TIBS 19:480-485 (1994).	Protein Tyro	sine Phosphatases an	d Kinases in Cell		
	MKP-1 (3CH134), an Immediate E prylates MAP Kinase In Vivo," <i>Cell</i>			ficity Phosphatase That		
	Sun et al., "Inhibition of Ras-Induced DNA Synthesis by Expression of the Phosphatase MKP-1," Scient 266:285-288 (1994).					
	Takahashi et al., "Characterization of Two Genes Encoding Small Heat-Shock Proteins in <i>Arabidopsis thaliana</i> ," <i>Mol. Gen. Genet.</i> 219:365-372 (1989).					
	Takenaka et al., "Activation of the Protein Kinase p38 in the Spindle Assembly Checkpoint and Mito Arrest," Science 280:599-602 (1998). Tarczynski et al., "Stress Protection of Transgenic Tobacco by Production of the Osmolyte Mannito Science 259:508-510 (1993).					
Tonks and (1996).	Tonks and Neel, "From Form to Function: Signaling by Protein Tyrosine Phosphatases," Cell 87:365-(1996). Tuomainen et al., "Ozone Induction of Ethylene Emission in Tomato Plants: Regulation by Differentia Accumulation of Transcripts for the Biosynthetic Enzymes," The Plant Journal 12:1151-1162 (1997). Ulmasov et al., "The ocs Element in the Soybean GH2/4 Promoter is Activated by Both Active and Ina Auxin and Salicylic Acid Analogues," Plant Mol. Biol. 26:1055-1064 (1994). Walbot, "Sources and Consequences of Phenotypic and Genotypic Plasticity in Flowering Plants," Tin Plant Science 1:27-32 (1996). Walker and Estelle, "Molecular Mechanisms of Auxin Action," Current Opinion in Plant Biology 1:434 (1996).			natases," <i>Cell</i> 87:365-368		
				y Both Active and Inactive		
				Flowering Plants," <i>Trend</i>		
				n Plant Biology 1:434-439		
	Ward et al., "Control of MAP Kinase Activation by the Mitogen-Induced Threonine/Tyrosine Phosphata PAC1," Nature 367:651-654 (1994).					
Mammalia	Watilion et al., "A Calcium/Calmodulin-Binding Serine/Threonine Protein Kinase Homologous to the Mammalian Type II Calcium/Calmodulin-Dependent Protein Kinase Is Expressed in Plant Cells," <i>Plant Physiology</i> 101:1381-1384 (1993).					
Welgel et 500 (1995	I., "A developmental Switch Suffic	ient for Flov	ver Initiation in Diverse	Plants," Nature 377:495-		
EXAMINER		DATE CO	NSIDERED			
EXAMINER: Initial citation of form with the next commun	onsidered. Draw line through citation ation to applicant.	n if not in cor	nformance and not consi	dered. Include copy of this		

		U.S. DEPARTMENT OF COMMERCE	_	00786/366003	
		PATENT AND TRADEMARK OFFIC	Serial No.	10/643,434	
			Applicant	Jen Sheen et al.	
	STATEMEN	ION DISCLOSURE	Filing Date	August 19, 2003	
	(Use several	sheets if necessary)	Group	1638	
(37 C.F.R. § 1.	.98(b))		IDS Filed	November 19, 2004	
	OTHER DOCU	IMENTS (INCLUDING AUTHOR, TITL	E, DATE, PLACE OF PUBLI	CATION)	
	Willekens et al., J. 16:4806-4816	"Catalase is a Sink for H₂O₂ and is I (1997).	ndispensable for Stress De	efence in C ₃ Plants," <i>EMBO</i>	
	Wishart and Dixon, "Gathering STYX: Phosphatase-like Form Predicts Functions for Unique Prot Interaction Domains," <i>TIBS</i> 23:301-306 (1998).				
		1 Organizes a MAP Kinase Module T Downstream Components Mediated 998).			
		cular Characterization of a Tyrosine- ne in <i>Arabidopsis</i> ," <i>Plant Cell</i> 10:849		se Encoded by a Stress-	
	Xu et al., "MEKK1 Phosphorylates MEK1 and MEK2 but Does Not Cause Activation of Mitogen-Activated Protein Kinase," <i>Proc. Natl. Acad. Sci. USA</i> 92:6808-6812 (1995).				
	Yuasa et al., "Tumor Necrosis Factor Signaling to Stress-Activated Protein Kinase (SAPK)/Jun NH ₂ -Terminal Kinase (JNK) and p38," <i>J. Biol. Chem.</i> 273:22681-22692 (1998). Zaitsevskaya-Carter et al., "Spm1, A Stress-Activated MAP Kinase that Regulates Morphogenesis in <i>S.pombe</i> ," <i>EMBO J.</i> 16:1318-1331 (1997).				
	Zhang et al., "Salicylic Acid Activates a 48-kD MAP Kinase in Tobacco," Plant Cell 9:809-824 (1997).				
	Zhann et al. #Di	rect Sensing of Heat and Oxidation	by <i>Drosophila</i> Heat Shock	Transcription Factor," Mol	
	Cell 2:101-108 (·	